

## Refine Search

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| L10 or L9 | 20        |

**Database:** US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

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**DATE:** Thursday, November 08, 2007    [Purge Queries](#)    [Printable Copy](#)    [Create Case](#)

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| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> |   |                  |                               |
| <u>L11</u>   | L10 or L9   | 20               | <u>L11</u>                    |
| <u>L10</u>   | aromatic dicarboxylic acid.ti. and l8               | 3                | <u>L10</u>                    |
| <u>L9</u>  | terephthalic acid.ti. and l8                        | 17               | <u>L9</u>                     |
| <u>L8</u>  | L7 and acetic acid                                  | 100              | <u>L8</u>                     |
| <u>L7</u>  | L6 and crystal\$9                                   | 100              | <u>L7</u>                     |
| <u>L6</u>  | L5 and 562/\$                                       | 101              | <u>L6</u>                     |
| <u>L5</u>  | L4 and evaporat\$9 and (energy or internal enenrgy) | 459              | <u>L5</u>                     |
| <u>L4</u>  | L3 and centrifug\$9                                 | 1561             | <u>L4</u>                     |
| <u>L3</u>  | L2 and hydrogen\$9                                  | 10908            | <u>L3</u>                     |
| <u>L2</u>  | terephthalic acid and oxygen and catalyst           | 13543            | <u>L2</u>                     |
| <u>L1</u>  | terephthalic acid and oxygen and catalyst           | 13543            | <u>L1</u>                     |

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Search Results - Record(s) 1 through 10 of 20 returned.

☐ 1. Document ID: US 20070238899 A9

L11: Entry 1 of 20

File: PGPB

Oct 11, 2007

PGPUB-DOCUMENT-NUMBER: 20070238899

PGPUB-FILING-TYPE: us-republication-corrected

DOCUMENT-IDENTIFIER: US 20070238899 A9

TITLE: Optimized production of aromatic dicarboxylic acids

PUBLICATION-DATE: October 11, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060047164 A1

March 2, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Lin; Robert

Kingsport

TN

US

de Vreede; Marcel

Barendrecht

NL

US-CL-CURRENT: 562/487

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 2. Document ID: US 20070015935 A1

L11: Entry 2 of 20

File: PGPB

Jan 18, 2007

PGPUB-DOCUMENT-NUMBER: 20070015935

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070015935 A1

TITLE: Method for producing high purity terephthalic acid

PUBLICATION-DATE: January 18, 2007

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Fujita; Hideaki

Kurashiki-shi, Okayama

JP

Machida; Hiroshi

Kurashiki-shi, Okayama

JP

Namiki; Nobuo

Kurashiki-shi, Okayama

JP

Waguri; Yoshio

Kurashiki-shi, Okayama

JP

US-CL-CURRENT: 562/410; 562/486

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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3. Document ID: US 20060264666 A1

L11: Entry 3 of 20

File: PGPB

Nov 23, 2006

PGPUB-DOCUMENT-NUMBER: 20060264666

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060264666 A1

TITLE: Enriched terephthalic acid composition

PUBLICATION-DATE: November 23, 2006

## INVENTOR-INFORMATION:

| NAME                    | CITY      | STATE | COUNTRY |
|-------------------------|-----------|-------|---------|
| Gibson; Philip Edward   | Kingsport | TN    | US      |
| Parker; Kenny Randolph  | Afton     | TN    | US      |
| Sheppard; Ronald Buford | Kingsport | TN    | US      |

US-CL-CURRENT: 562/485

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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4. Document ID: US 20060128987 A1

L11: Entry 4 of 20

File: PGPB

Jun 15, 2006

PGPUB-DOCUMENT-NUMBER: 20060128987

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060128987 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 15, 2006

## INVENTOR-INFORMATION:

| NAME                      | CITY      | STATE | COUNTRY |
|---------------------------|-----------|-------|---------|
| Sheppard; Ronald Buford   | Kingsport | TN    | US      |
| Tennant; Brent Alan       | Kingsport | TN    | US      |
| Woodruff; Thomas Earl     | Kingsport | TN    | US      |
| Lin; Robert               | Kingsport | TN    | US      |
| O'Meadhra; Ruairi Seosamh | Kingsport | TN    | US      |

US-CL-CURRENT: 562/410

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
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☐ 5. Document ID: US 20060047165 A1

L11: Entry 5 of 20

File: PGPB

Mar 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060047165

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060047165 A1

TITLE: Optimized production of aromatic dicarboxylic acids

PUBLICATION-DATE: March 2, 2006

INVENTOR-INFORMATION:

| NAME              | CITY        | STATE | COUNTRY |
|-------------------|-------------|-------|---------|
| Lin; Robert       | Kingsport   | TN    | US      |
| Vreede; Marcel de | Barendrecht |       | NL      |

US-CL-CURRENT: 562/487

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
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☐ 6. Document ID: US 20060047164 A1

L11: Entry 6 of 20

File: PGPB

Mar 2, 2006

PGPUB-DOCUMENT-NUMBER: 20060047164

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060047164 A1

TITLE: Optimized production of aromatic dicarboxylic acids

PUBLICATION-DATE: March 2, 2006

INVENTOR-INFORMATION:

| NAME              | CITY        | STATE | COUNTRY |
|-------------------|-------------|-------|---------|
| Lin; Robert       | Kingsport   | TN    | US      |
| de Vreede; Marcel | Barendrecht |       | NL      |

US-CL-CURRENT: 562/487

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
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☐ 7. Document ID: US 20060014979 A1

L11: Entry 7 of 20

File: PGPB

Jan 19, 2006

PGPUB-DOCUMENT-NUMBER: 20060014979

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060014979 A1

TITLE: Process for producing terephthalic acid

PUBLICATION-DATE: January 19, 2006

## INVENTOR-INFORMATION:

| NAME             | CITY       | STATE | COUNTRY |
|------------------|------------|-------|---------|
| Numata; Motoki   | Kitakyusyu |       | JP      |
| Isogai; Takayuki | Kitakyusyu |       | JP      |
| Ogata; Tomohiko  | Matsuyama  |       | JP      |

US-CL-CURRENT: 562/410

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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## 8. Document ID: US 20040110981 A1

L11: Entry 8 of 20

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110981

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110981 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 10, 2004

## INVENTOR-INFORMATION:

| NAME                    | CITY      | STATE | COUNTRY |
|-------------------------|-----------|-------|---------|
| Sheppard, Ronald Buford | Voorburg  | TN    | NL      |
| Tennant, Brent Alan     | Kingsport | TN    | US      |
| Woodruff, Thomas Earl   | Kingsport | TN    | US      |
| Lin, Robert             | Kingsport |       | US      |

US-CL-CURRENT: 562/486; 562/606

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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## 9. Document ID: US 7262323 B2

L11: Entry 9 of 20

File: USPT

Aug 28, 2007

US-PAT-NO: 7262323

DOCUMENT-IDENTIFIER: US 7262323 B2

TITLE: Method for producing high purity terephthalic acid

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20070015935 A1

January 18, 2007

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
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☐ 10. Document ID: US 7161027 B2

L11: Entry 10 of 20

File: USPT

Jan 9, 2007

US-PAT-NO: 7161027

DOCUMENT-IDENTIFIER: US 7161027 B2

TITLE: Process for the oxidative purification of terephthalic acid

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040110981 A1

June 10, 2004

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|---------|
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☐ 11. Document ID: US 6307099 B1

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File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099 B1

TITLE: Production of terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
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☐ 12. Document ID: US 5877346 A

L11: Entry 12 of 20

File: USPT

Mar 2, 1999

US-PAT-NO: 5877346

DOCUMENT-IDENTIFIER: US 5877346 A

TITLE: Process for the production of terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
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☐ 13. Document ID: US 5705682 A

L11: Entry 13 of 20

File: USPT

Jan 6, 1998

US-PAT-NO: 5705682

DOCUMENT-IDENTIFIER: US 5705682 A

TITLE: Process for producing highly pure terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
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☐ 14. Document ID: US 5567842 A

L11: Entry 14 of 20

File: USPT

Oct 22, 1996

US-PAT-NO: 5567842

DOCUMENT-IDENTIFIER: US 5567842 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process for producing terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 15. Document ID: US 5563293 A

L11: Entry 15 of 20

File: USPT

Oct 8, 1996

US-PAT-NO: 5563293

DOCUMENT-IDENTIFIER: US 5563293 A

TITLE: Process for the production of terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 16. Document ID: US 5527957 A

L11: Entry 16 of 20

File: USPT

Jun 18, 1996

US-PAT-NO: 5527957

DOCUMENT-IDENTIFIER: US 5527957 A

TITLE: Process for the production of terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 17. Document ID: US 4772748 A

L11: Entry 17 of 20

File: USPT

Sep 20, 1988

US-PAT-NO: 4772748

DOCUMENT-IDENTIFIER: US 4772748 A

TITLE: Process for producing highly pure terephthalic acid

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 18. Document ID: US 4438279 A

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File: USPT

Mar 20, 1984

US-PAT-NO: 4438279

DOCUMENT-IDENTIFIER: US 4438279 A

TITLE: Fiber-grade terephthalic acid recovered from the effluent from paraxylene oxidation in acetic acid and the catalytic hydrogenation of the oxidation effluent in the presence of metallic platinum family metals

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
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☐ 19. Document ID: US 4302595 A

L11: Entry 19 of 20

File: USPT

Nov 24, 1981

US-PAT-NO: 4302595

DOCUMENT-IDENTIFIER: US 4302595 A

TITLE: Process for the preparation of terephthalic acid by the hydrolysis of intermediate stage crude dimethyl terephthalate

|      |       |          |       |        |                |      |           |          |          |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|----------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Security | Abstract | Claims | KWIC | Draw. De |
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☐ 20. Document ID: US 4241220 A

L11: Entry 20 of 20

File: USPT

Dec 23, 1980

US-PAT-NO: 4241220

DOCUMENT-IDENTIFIER: US 4241220 A

TITLE: Process for producing terephthalic acid

|      |       |          |       |        |                |      |           |          |          |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|----------|----------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Security | Abstract | Claims | KWIC | Draw. De |
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